THE URBAN DISTRICT OF WIRKSWORTH.

A N N U A L R E P O R T

of the

MEDICAL OFFICER OF HEALTH

for the year 1920.

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URBAN DISTRICT OF WIRKSWORTH.

Mr. Chairman and Gentlemen,

I beg to present my Report for the year 1920.

FINANCIAL STATISTICS.

Rateable Value		£16,143. 13. 6.
Full Assessable Value . .	Houses	11,426. 16. 6.
	Lands ¼th	1,179. 4. 1.
		£12,606. 0. 7.

General District Rate - 6/2 in the £. per year.

Water Rate - 3d in the £1. per year on rateable value of premises supplied for domestic purposes.

Water Charges for trade purposes 5d per 1,000 gallons by meter. Other charges according to a Scale.

Number of Water Meters (trade purposes) - 24

Amount of Poor Law Relief during the year - £453. 5. 1.

BALANCES OF LOANS OWING ON 31st DECEMBER, 1920.

		£.	s.	d.
1.	Automatic Street Lighting	64.	0.	0.
2.	Purchase of Premises adjoining Town Hall and Public Offices Improvement Loan .	174.	2.	1.
3.	Street Improvements	Paid off.		
4.	Sewerage Scheme	8,544.	6.	8.
5.	Purchase of Town Hall for Public Offices .	1,628.	0.	0.
6.	Purchase of Water Springs Land	Paid off.		
	Total Balances of Loans owing 31/12/20	£10,410.	8.	9.
	Amount paid off in 1920	£ 488.	13.	4.

Signed J. GRATTON

Clerk to the U.D.C.

Area in Acres 3,020.134

VITAL STATISTICS.

Census 1911.

Total No. of Private Families.	Percentage of tenements overcrowded.
976.	2.97

POPULATION.

1901	Census	3807
1911	Census	3888.

Estimated to middle of 1920)
(by the Registrar General)) 3455

Vital Statistics for year ending 31st December, 1920.

	Males	Females		Males	Female
Births	47	53	(Legitimate	41	51
			(Illegitimate	6	2
Deaths	24	21			

		Males	Femal
Deaths of infants under 1 year of age	Total	6	3
	Illegitimate	1	0

ANNUAL RATES PER 1000 OF ESTIMATED POPULATION IN 1920.

	Wirksworth U.D.C.	England and Wales.	Urban Sanitary Districts of County of Derby.	Rural Sanitary Districts of County of Derby.
Birth Rate	28.94	25.4	26.60	28.10
Death Rate	13.02	12.4	11.96	11.35
Zymotic Death Rate	0.00	-	0.79	.71
Death Rate from Enteric fever) and Diarrhoeal diseases)	0.00	-	0.15	0.23
Death Rate from Phthisis	0.86	-	0.62	0.54
ditto. Respiratory diseases	1.73	-	2.37	2.02
Infantile Death Rate per 1000) births)	90.00	80.00	84.00	82.29

CAUSES OF DEATH IN WIRKSWORTH U.D. IN 1920.

	Males.	Females.
All causes	24	21
Pulmonary Tuberculosis	3	-
Tuberculous Meningitis	-	1
Cancer, malignant disease	-	2
Organic Heart disease	2	4
Bronchitis	-	1
Pneumonia (all forms)	2	1
Other Respiratory diseases	-	2
Diarrhoea (under 2 years of age)	-	-
Puerperal Fever	-	1
Parturition Apart from Puerperal Fever	-	1
Nephritis and Brights disease	1	1
Congenital debility	5	2
Suicide	1	-
Other defined diseases	10	5

SANITARY CIRCUMSTANCES OF THE DISTRICT.

WATER SUPPLY.

Rainfall in 1920 (Taken by Mr.Atkinson at the Manor House) 40.47 inches.

Adequacy of Water Supply.

In consequence of dry weather the Springs were low in October and November, and the "constant supply" was turned off during the night from the 26th October to the 28th December.

The following waste was discovered and corrected.

Defective Taps	48
Burst Pipes	11
Defective Cisterns	3
Total	62

WATER BAILIFF'S MONTHLY RETURNS.

Rainfall.		1920.		Town District.	Bole Hill.	Total Galls. per hour.
4.40	in	January	26th	12,070	615	12,685
3.16	"	February	23rd	11,824	615	12,439
2.58	"	March	22nd	9,498	492	9,990
6.14	"	April	19th	18,744	615	19,359
3.72	"	May	17th	13,000	615	13,615
3.89	"	June	28th	6,150	615	6,765
5.98	"	July	26th	7,134	615	7,749
1.24	"	August	23rd	5,412	615	6,027
2.09	"	September	27th	3,444	615	4,059
2.20	"	October	25th	2,460	492	2,952
1.27	"	November	22nd	2,214	615	2,829
3.80	"	December	20th	2,460	615	3,075
40.47 inches.						

The Homesford water supply referred to in my last report is approaching completion.

41 to 44 Bole Hill are supplied from Broom Well. Owing to defects in the service pipes no water reaches their houses. The well is not protected and is open to pollution. The Sanitary Inspector communicated with the owner who has undertaken to protect the well and lay new service pipes.

A well at Spite Winter is not protected and has no arrangement for drawing water.

DRAINAGE AND SEWERAGE.

A number of houses were connected with the new Sewerage system when the Main Sewers were laid in 1914, but the majority were not. Fifteen houses were connected in 1915, nine houses in 1916, nineteen houses in 1917, 32 in 1919, AND 52 IN 1920. The Surveyor estimated that on 31st December, 1920. approximately 62 per cent of the house drains were still unconnected with the new Sewerage system.

REPORT ON SEWAGE OUTFALL WORKS FOR YEAR 1920.

The Sewage Outfall Works are situate near Haarlem Mill at the lowest level of the district and a short distance from the Urban District Boundary on Derby Road and to the south of the town.

They are on the bacteria system and include Detritus Tank, two Precipitation Tanks, two Storm Overflow Tanks, a Dosing Chamber, 3 Bacteria Filter Beds with Rotating Sprinklers and 2 Humus Tanks, and the Effluent empties into the River Ecclesbourne. There are 8 Slag Beds suitably drained for sludge drying.

Although there is a separate system of Surface Water Drainage a number of surface water drains and certain street gullies on account of various difficulties, are connected to the main sewer.

The larger quantity of Sludge received at the Outfall Works during the year through additional sewer connections has been quite noticeable, and as the amount of sludge further increases it will be necessary for the Caretaker to allot more of his time to the duties there, and the tanks will then have to be emptied and cleansed more frequently.

Every attention has been given to important requirements during the year under review. The Screening Chamber and Sprinklers have been cleansed daily and the Channels have been swept and scoured each day. Settling Tanks, Storm Tanks, and Humus Tanks have been emptied and cleansed at frequent intervals, and the sludge after drying on Slag Bed has periodically been removed.

There has been little difficulty in disposing of the major portion of the sludge at ninepence per load.

The flow of sewage on the whole has been constant and regular, and the treatment has produced a good and satisfactory Effluent, as shown by the Official Lists of the tests of the County Medical Office of Health. The Effluent Test for April 1920 was sixth out of 89 in the County, and each examination has shown a satisfactory result.

A little damage has been caused by spring water breaking into one of the Settling Tanks. The floor and two walls have been fractured. Some of the Channels at the N.W. end of the works are also defective through settlements, and the necessary repairs to these matters should be executed at the first suitable opportunity.

(Signed) T. C. SLACK,

Surveyor and Sewage Works Manager.

31st December, 1920.

CLOSET ACCOMMODATION.

Privy Middens (approximate number)	567
Pail Closets	a few
Water Closets	429
No. of Pail Closets converted into Water Closets during year	0
Number of Privy Middens converted to Water Closets during the year	39
Additional Closet Accommodation	4
Defective Privies improved	52

SCAVENGING.

The duty of removing night soil and refuse falls on the occupier, and is neglected to an extent that is detrimental to health.

SANITARY INSPECTION OF THE DISTRICT.

ANNUAL REPORT OF SANITARY INSPECTOR.

1920.

Name of Inspector - T. C. Slack, M.R.S.I.

Area in Acres - 3,020.134 Estimated Number of Houses - 976.

HOUSING AND TOWN PLANNING.

Number of Houses inspected under Section 17	7
Number unfit for habitation	2
Representations made to Local Authority as to Closing Orders	0
Closing Orders made	1
Number repaired without Closing Order	4
Number repaired after Closing Order made	0
Number closed without Closing Order	2
Number demolished	2
Number repaired voluntarily	0

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	Informal Notices served by Sanitary Inspector.	Legal Notices served by local Authority.	Nuisance Abated.
DRAINAGE.			
Defective Traps, Inlets & Drains	83		83
Drains Obstructed	42	2	42
No disconnection of Waste pipes	2		2
CLOSETS AND ASHPITS.			
Insanitary Privies and Ashpits	52		52
Additional Closet Accommodation	4	1	4
Conversion of Privies into W.C's.	48	3	39
Defective Water Closets	2		1
Conversion of Pail Closets into W.C's	0		0
OTHER DEFECTS.			
Surfaces of Courts and Yards	11		11
Eaves-Spouts and Down Spouts	8		8
Defective Urinals	2		1
Water Supply	28		28
Offensive Accumulations	15	1	16
Animals improperly kept	2		2
Water in Cellars	5		5
Overcrowding	1		0
Foul condition of Houses	2		2
Nuisances not specified above	28		28
	335	7	324

About 4 cwt. of decayed fruit was voluntarily surrendered.

	Number on Register.	Inspections made.	Notices served.	Nuisances abated.
Dairies, Cowsheds & Milkshops	36	50	2	1
Bake-Houses	7	24	0	0
Slaughter-Houses	6	14	1	1
Common Lodging houses	1	10	1	1
Knacker's Yard	1	5	0	0
	51	103	4	3

Infected rooms disinfected - 40 (Formalin Spray & Lamps)

(SIGNED) T. C. SLACK.

HOUSING AND TOWN PLANNING.

In 1919 your Council agreed to a scheme for the erection of 45 Houses of which the first instalment is to be 20.

Two sites were approved by the Ministry of Health, one for twelve houses and the other for eight. The owners of one site were unable to waive certain building conditions to which the property is subject and the owners of the other site declined to accept the price offered by the District Valuer on behalf of the Council, and also declined to waive certain building conditions to which the estate is subject. The Ministry of Health has requested the Council to adopt an alternative scheme.

FURTHER SANITARY REQUIREMENTS.

1. Conversion of Privies into Water Closets.
2. Connection of all houses to the new sewerage system.
3. Public scavenging.

FACTORIES AND WORKSHOPS.

Number of Factories	7	Number of Inspections	40	written notices
Number of Workshops	18	Number of Inspections	19	do.

Factory Nuisances under the Public Health Act - 7

do. do. do. Abated - 6

PREVALENCE OF AND CONTROL OVER ACUTE INFECTIOUS DISEASES.

Number of cases notified :-

Scarlet Fever	4
Diphtheria	9
Pneumonia	1
Ophthalmia Neomatorum	2
Puerperal Fever	1
Total	17

Number of cases removed to Isolation Hospital :-

Scarlet Fever	3
Diphtheria	7

In February one Small Pox "contact case" was notified by the Ministry of Health. The man was examined and kept under oberservation and nothing occurred. Two of the cases of Scarlet Fever and two of Diphtheria were visitors recently arrived in the District.

Children are not allowed to return to School until found to be free from infection by Bacteriological examination.

On the termination of an infectious disease or on the patient's removal to hospital the house is disinfected by your Council Officers with Formalin Spray and Lamps.

Clothes and Bedding are sent at the expense of the Council to the Isolation Hospital where they are disinfected by steam free of cost.

Antitoxin is provided by the Council free of charge and can be obtained from the M.O.H. The cost in 1920 was £2. 9. 0.

BACTERIOLOGICAL EXAMINATIONS MADE BY THE COUNTY COUNCIL BACTERIOLOGIST.
1920.

	Positive.	Negative.	Total.
Diphtheria	15	24	39
Tubercle Bacilli	-	6	6
Enteric	-	-	-
Miscellaneous	-	2	2

NON-NOTIFIABLE DISEASES.

"Hints and Precautions" in reference to Influenza were printed and circulated in February.

In February there were a few cases of Chicken pox. There were a few cases of Measles and German Measles, (children sent here from infected homes), in April and May.

In July a house and its eight occupants were disinfected on account of lice. The bedding and clothing were stoved at the Isolation Hospital. The same house and family were disinfected again in October for the same reason.

One case of food poisioning occurred in August. Enquiries failed to trace the cause.

The Elementary Schools were not closed on account of illness during the year.

TUBERCULOSIS.

Public Health (Tuberculosis) Regulations, 1912.

Notifications received in 1920.

Pulmonary Tuberculosis	8
Non Pulmonary Tuberculosis	1
Total number of notifications	9

Number of deaths from Pulmonary Tuberculosis belonging to the District. 3

Number of deaths from other Tubercular Diseases 1

Number of cases of Tuberculosis admitted to County Sanatorium. 2

Number of individual cases attending County Council Tuberculosis Dispensary

New Cases	15
Old Cases	16
Total	31

The number of Tuberculosis cases in the District on 31. 12. 20. was

Pulmonary Tuberculosis	21
Non Pulmonary Tuberculosis	18
Total	39

After a death from Tuberculosis the house is disinfected by the Council's Officers. The house is also disinfected when a patient goes to a Sanatorium.

Since the close of the year under review I have drawn your attention to an unusual number of notifications of Abdominal Tuberculosis and the connection between this form of Tuberculosis and the Milk Supply. The Tuberculosis Order, introduced in 1913 to cut off the supply of Milk from cows with Tuberculosis, was suspended on the outbreak of the War and up to the present has not been re-introduced. During the War the cowsheds have not been strictly supervised. Your Sanitary Inspector is making a systematic inspection and will report to you.

NOTIFICATION OF BIRTHS ACT adopted in 1914.

All births were notified in 1920.

Number of Births notified 120

Living - 115 Stillborn - 5.

HEALTH VISITING AND MATERNITY AND CHILD WELFARE CENTRE.

The home visiting is done by the County Council's School Nurse to whose salary the Council contribute.

Expectant Mothers visited	-	33
Individual children visited	-	200
Total number of home visits paid to		
(a) Expectant Mothers	-	69
(b) Individual Children	-	963

"Mothers Welcomes" were held every second Monday and 70 Mothers and 79 individual Children attended.

The average attendance in 1920 was 25.

All babies over one year were visited occasionally and some more frequently.

MILK (MOTHERS AND CHILDREN) ORDER 1919.

Grants were made by the Urban District Council to 3 cases and the total quantity of Milk supplied was 23 gallons.

Milk supplied in Wirksworth during 1920 by the County Council :-

Total amount spent from January to December	£147. 9. 4.
Number of families supplied January to December -	22.

I am, Mr. Chairman and Gentlemen,

Your obedient Servant,

A. E. Porter.

WIRKSWORTH, 31st March, 1921.